# BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division,

No.BBMP/EE/DD/Ten/01/2015-16, Date:04.01.2016 Indent No.20631

SCHEDULE-B

NAME OF WORK: Sinking of Borewell and providing pump and motors and laying of pipeline at T. Dasarahalli Ward no.15 3 numbers

| Sl. No | Description of work | Unit | Qty | Rates Quoted by Contractor MADHAVA REDDY K | | |
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| | | | | In Figures (Rs.) | In Words (Rs.) | Cont. AMOUNT |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Geophysical survey geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the hand pumps, MWS or PWSS by vertical electrical sounding by adopting venner or schlumbergers's method including recconnaisance suevey of geological formation Geophysical investigation of existing ground Water in the vicinity. its quality , quality & acceptabality of the users indicating the location of the site recommendeddepth of casing pipe required to seal the tope unconsolidated formation including an extra depth 1.0 metre in consolidated formation for aquire proposed to be tapped propable yield and other information required including transportation of instrument and accessories to work site, engating technical personal and labour etc.complete as per specfication & as per direction of Engineer-in-charge | Each | 3 | 1882.0 | Rupees One Thousand Eight Hundred Eighty Two Only | 5646.00 |
| 2 | Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified 0.00 to 50.00 mtrs complete as per specfication & as per direction of Engineer-in-charge | Rmtr | 150 | 306.0 | Rupees Three Hundred Six Only | 45900.00 |
| 3 | 50mtr to 100.00 mtr | Rmtr | 150 | 400.0 | Rupees Four Hundred Only | 60000.00 |
| 4 | 100.00 to 150.00 mtr | Rmtr | 150 | 445.0 | Rupees Four Hundred Forty Five Only | 66750.00 |

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| 5 | 150.00 to 200.00 mtr | Rmtr | 150 | 470.0 | Rupees F Hundre Seventy C |
| 6 | 200.00 to 250.00 mtr | Rmtr | 150 | 544.0 | Rupees F Hundre Forty Fou Only |
| 7 | 250.00 to 300.00 mtr | Rmtr | 150 | 583.0 | Rupees Fi Hundred Eighty Thr Only |
| 8 | Supply of ISI Mark 175mm Nominal bore ,plain end steel Casing pipe- grade of steel Fee 410 of wall thickness 5.4 mm thick confirming to IS 1387/1933 and manufactured by basic open hearth electric or basic oxygen process in random lenth of 5 to 7mtrs. Both ends threaded Confirming to IS 554/1985, One end fixed with a Socket Confirming to IS 4270:2001 and the other end with Screwed pipes . All pipes shall be reasonably free from defectes. The tube shall be reasonably straight should be with ISI marking, weighing 25.10kg/mtr. Casing pipe complete as per specfication & as per direction of Engineer-in-charge | Rmt | 120 | 1325.0 | Rupees On Thousand Three Hundred Twenty Five Only |
| 9 | Additional rate on item No. 2 is allowed for drilling in over burden and folling casing pipes beyond 20mtrs, rate at 15% and beyond 30mtrs 30% on basic rate of Rs.306 is allowed Above 20 mtrs and Upto 30 mtrs at complete as per specfication & as per direction of Engineer-in-charge | Mtrs | 30 | 45.9 | Rupees Forty Five and Ninety Paise Only |
| 10 | Providing 175 mm dia MS Collar complete as per specfication & as per direction of Engineer-in-charge | Each | 30 | 150.0 | Rupees One Hundred Fifty Only |
| 11 | Providing 175 mm dia MS Cap complete as per specfication & as per direction of Engineer-in-charge | Each | 3 | 100.0 | Rupees One Hundred Only |

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| 12 | Supply and delivery at site brand new Texmo / Innoval / Tabi / Sabar / Atalanta / Calamal / waterman / Radha make suitable vertical installation in 150mm dia. Borewells comprising of single stage or miultistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction mortor suitable for operation of 3Ph., 50Hz. 380/44 volts AC supply fitted with required accessories such as suction. casing, suction strainers, sand guard Non return valve etc., complete the pump and motor shall form an integral unit with all the required fittings 15HP 30 stage Kirloskar, Atlanta, Suguna, CRI & other equipment pump complete as per specfication & as per direction of Engineer-in-charge | No | 3 | 70000.0 | Rupees Seventy Thousand Only | 210000.00 |
| 13 | Supplying and Drawing 3 core Flat PVC Shalted Submersible Pump Cable Manufactured with Electrolytic Grade Copper with Flexible copper conductor to table 3 class 5 of IS 8130-1984 and Virgen PVC insulation and Sheeated Suitable for working Voltage Upto 1100 Volts complete as per specfication & as per direction of Engineer-in-charge | Mtrs | 1860 | 159.5 | Rupees One Hundred Fifty Nine and Fifty Paise Only | 296670.00 |
| 14 | Supplying and fixing 50mm Non Return Vavle of vertical type of approved make including cost of all materials labour HOM of equipment with all leads complete as per specfication & as per direction of Engineer-in-charge | Nos | 3 | 1145.0 | Rupees One Thousand One Hundred Forty Five Only | 3435.00 |
| 15 | Supplying and fixing 50mm GM Gate Vavle complete as per specfication & as per direction of Engineer-in-charge | Nos | 3 | 1000.0 | Rupees One Thousand Only | 3000.00 |
| 16 | Supplying and fixing 175mm Borewell cap with clampset complete as per specfication & as per direction of Engineer-in-charge | Nos | 3 | 500.0 | Rupees Five Hundred Only | 1500.00 |
| 17 | Supplying and fixing 50mm GI Union complete as per specfication & as per direction of Engineer-in-charge | Nos | 3 | 223.7 | Rupees Two Hundred Twenty Three and Seventy Paise Only | 671.10 |
| 18 | Supplying and fixing 50mm GI Elbow complete as per specfication & as per direction of Engineer-in-charge | Nos | 9 | 111.8 | Rupees One Hundred Eleven and Eighty Paise Only | 1006.20 |

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| 19 | Providing and fixing of 50mm G.I pipe 'C' class heavy duty for erection of submersible pumpset galvanised tube 50mm supply ad delivary of cause heavy duty complete as per specfication & as per direction of Engineer-in-charge | Mtrs | 870 | 500.0 | Rupee Hund On |
| 20 | Supplying of TPST with rewireable porcelain channels in SM encloser 15/32 amps P-521, Group-Bi-1(b), complete as per specfication & as per direction of Engineer-in-charge | Nos | 3 | 1320.0 | Rupee Thous Thr Hund Twenty |
| 21 | Supplying and fixing LED Type panel board indicating lamp with required colour suitable for 220 v AC 50Hz 12/24 V DC Group 'B'. P-529, I-35(b), complete as per specfication & as per direction of Engineer-in-charge | Nos | 9 | 385.0 | Rup Thr Hund Eighty On |
| 22 | Supplying and drawing each PVC insulated 650/100 V grade wire in the conduct (Open or Concealed system of wiring ) 7/20 or 7/36 copper wire. complete as per specfication & as per direction of Engineer-in-charge | Nos | 30 | 27.5 | Rup Twenty and Paise |
| 23 | Supplying, fixing and wiring heavy duty low voltage capacitors confirming to I 2834, 3 PHASE 400/440 Volts grade for power factor improvement of rotating machinery capacitor in KVAR - rating Nos 2 KVAR Capacity P-402, I-34(a), complete as per specfication & as per direction of Engineer-in-charge | Nos | 3 | 385.0 | Rup Thr Hund Eighty On |
| 24 | Supplying and fixing miniature Circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required P-526, I-13 (P, a),complete as per specfication & as per direction of Engineer-in-charge | Nos | 3 | 880.0 | Rupee Hund Eighty |
| 25 | Supplying, fixing, wiring earth electrode for grounding conduits, LC cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.50m long buried in a pit. The pit should be filled with equal proportion of solt and charcoal 150mm alround the pipe to complete depth. the connection from the pipe to the conduct etc., is to be established through GI wire of size as per ISI specifications 7.3.3 IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 throught holes of 122mm dia P-552, I-7, complete as per specfication & as per direction of Engineer-in-charge | Nos | 3 | 1650.0 | Rupee Thousa Hundre On |
| 26 | Supplying and fixing class A (medium duty) GI pipe wall thickness not less than 3.25mm on pole. complete as per specfication & as per direction of Engineer-in-charge | Nos | 30 | 286.0 | Rupee Hun Eight On |

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| 27 | Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 Mtr long buried in a pit,/ the pit should be filled with equal proporation of salt and charocal 150mm alround the pipe to complete depth the connections from the pipe to the conduits etc., is to be established through GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12 mmdia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 122mm dia complete as per specfication & as per direction of Engineer-in-charge | Nos | 3 | 1650.0 | Rupees C Thousand Hundred F Only |
| 28 | Supply 1.1 KV class UG cable from nearest BESCOM pole to panel board including earth work and road restoratio 4 core 16 sqmm.complete as per specfication & as per direction of Engineer-in-charge | Mtrs | 90 | 165.0 | Rupees C Hundre Sixty Fi Only |
| 29 | Labour charges for laying 1.1 KV class UG cable when supplied by agencies in existing trenches GI pipe / stoneware pipe/ on pole as required,complete as per specfication & as per direction of Engineer-in-charge | Mtrs | 90 | 5.5 | Rupees F and Fif Paise O |
| 30 | Digging of trench of 0.6m deep x 0.5m wide refilling the trench to the required level and consolidating etc., complete as per specfication & as per direction of Engineer-in-charge | Mtrs | 45 | 44.0 | Rupees F Four O |
| 31 | Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmm UG cable filled with neccesary bitumen / insulating compound complete with termiinalas, clamps, bolts, nuts, washers etc., complete as per specfication & as per direction of Engineer-in-charge | Nos | 3 | 264.0 | Rupees Hundr Sixty Fo Only |
| 32 | Supplying and fixing of porcelain fuse channel with cut-out on existing / new wooden panel using neccesary nuts, bolts and washers etc., complete as per specfication & as per direction of Engineer-in-charge | Nos | 18 | 440.0 | Rupees Hundr Forty C |
| 33 | Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., in the Asphalt surface road.complete as per specfication & as per direction of Engineer-in-charge | Cum | 67.5 | 311.64 | Rupe Thre Hundr Eleven Sixty F Paise C |

K. Maddaiah

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